

Amendments to the claims:

The listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

Claims 1-9 (canceled)

Claim 10. (New) A method for purification of a Factor VIII polypeptide comprising:

- a) adding a mixture containing a Factor VIII polypeptide to be purified to an immunoaffinity matrix which binds to the Factor VIII polypeptide;
- b) eluting the Factor VIII polypeptide from the immunoaffinity matrix with an elution solution which desorbs the Factor VIII polypeptide, wherein the elution solution comprises a low-polarity agent and a buffer;
- c) diluting the elution solution about 1.5-fold to about 3-fold with a solution comprising a lower concentration of the low-polarity agent than that of the elution solution, resulting in a diluted Factor VIII solution comprising about 17% to about 33% (v/v) low-polarity agent;
- d) passing the diluted Factor VIII solution through an ion exchange column which binds the Factor VIII polypeptide, thereby allowing contaminants to pass through the ion exchange column; and
- e) eluting the purified Factor VIII polypeptide from the ion exchange column.

11. (New) The method of claim 10 wherein said low-polarity agent is a non-polar agent.